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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/893,982 | 06/29/2001 | Peter L. Doyle | 219.40022X00 | 6160 |

7590

09/08/2003

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EXAMINER

MONESTIME, MACKLY

ART UNIT

PAPER NUMBER

2676

DATE MAILED: 09/08/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/893,982

Applicant(s)

DOYLE, PETER L.

Examiner

Mackly Monestime

Art Unit

2676

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 29 June 2001.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4</u> . | 6) <input type="checkbox"/> Other: |

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DETAILED ACTION

1. Claims 1-24 are presented for examination.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-5, 7-10, 12-14, 17-20, 22 and 24 are rejected under 35 U.S.C. 102(b) as being anticipated by Devic et al (US Patent No. 6,054,993).
4. As per claims 1-2, 8-9, 17 and 22, Devic et al disclosed the invention as claimed, including a computer system comprising: a memory device to store a plurality of texture coordinates associated with vertices of three dimensional objects (Fig. 3; Item No. 104; col. 1, lines 31-44; lines 53-55; col. 4, lines 37-39), a graphics device to couple to said memory device and to process internal coordinates for display (Fig. 3; Item No. 104, 114 and 120); and a mapping system to appropriately route select ones of said plurality texture coordinates from said memory device to said graphics device (Fig. 4, Item No. 126).
5. As per claim 3, Devic et al disclosed said graphics device comprises a plurality of mapping engines each to process a separate one of said internal texture coordinate (Fig. 4, Item No. 126; Fig. 7, Item No. 70; col. 8, lines 7-12; lines 56-60).

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6. As per claims 4-5, 7, 10-11, 19-20 and 24, Devic et al disclosed said graphics device comprises a plurality of registers; each corresponding to a separate one of said plurality of mapping engines (col. 9, lines 27-30; col. 10, lines 31-35).

7. As per claims 13 and 16, Devic et al disclosed the invention as claimed, including as claimed, including a graphics device for creating an image base on internal texture coordinates received from a memory device (Fig. 3; Item No. 104, 114 and 120), said graphic device including a plurality of mapping engines (Fig. 4, Item No. 126; Fig. 7, Item No. 70; col. 8, lines 7-12; lines 56-60) and a plurality of registers, each register corresponding to a source of texture coordinate values for one of said mapping engine (col. 9, lines 27-30; col. 10, lines 31-35).

8. As per claim 14, Devic et al disclosed a display device to display said image based on an output of said graphics device (Fig. 3; Item No. 104, 114).

Claim Rejections - 35 USC § 103

9. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

10. Claims 6, 11, 15, 18, 21 and 23 rejected under 35 U.S.C. 103(a) as being unpatentable over Devic et al (US Patent No. 6,054,993).

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11. As per claims 6, 11, 15, 18, 21 and 23, Devic et al did not explicitly disclose: a default and one of said plurality of said texture coordinates in said memory device; to select ones of said plurality of said texture coordinates are transferred from said memory device to said mapping engines without transferring unselected ones of said plurality of texture coordinates. However, the concepts and associated advantages of having a default in computer system is well known in the art. Thus, default is an alternative value or option that is assumed when none has been specified; or it is implicit option that is assumed when no option is explicitly stated, or it is some parameter values supplied by a computer system when no explicit values are provided by a program; or it is a choice among exclusive alternatives made by the system when no explicit choice is specified by a user. Therefore, "official notice" has been taken by the examiner that the use of a default in computer system is well known in the art.

Conclusion

Applicant is required to give full consideration to these prior art references when responding to this office action.

The prior arts made of record and not relied upon is considered pertinent to applicant's disclosure.

Wilde et al (US Patent No. 5,844,586) taught a tiled linear host texture storage.

Morein et al (US Patent No. 6,483,505) taught a method and apparatus for multipass pixel processing.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mackly Monestime whose telephone number is (703) 305-3855. The examiner can normally be reached on Monday to Thursday from 7:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bella Matthew, can be reached on (703) 308-6829.

Any response to this action should be mailed to:

Commissioner of Patent and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

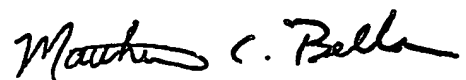
Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, Va, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

Mackly Monestime

Patent Examiner

August 28, 2003



MATTHEW C. BELLA
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600